

inches of rain falls, practically all of which comes in five months, two to four inches more being scattered over a few inconsequential showers during the remaining seven months. Even in the few years where the rainfall in the dry season exceeds this amount, it is at best, absolutely a negligible quantity, for the reason that the prevailing hot dry winds and unclouded sun will remove every appreciable trace of moisture from the soil a few hours after a fall of from a quarter to half an inch. On the other hand I lost a row of about two dozen three year old seedlings of 'tobug' growing in the undrained land which was nearly, but not quite inundated during a ten day storm in which we had nearly two feet of water fall. At the same time adjacent rows of Mexican limes, and sweet oranges in variety were hardly injured. Some of the water logged 'tobug' which I had dug up, had, for their size, an extraordinary root system, and in porous land, I am of the opinion would penetrate to a surprising depth. Such land uncontrolled by water, is still found in southern California in large areas and I think that if 'tobug' could be tested on such lands and found to thrive on only the normal ten inch rainfall, and responding freely to grafting, that there would be a possible opening for those rainbow chasers whose idea of the sum of all happiness is to end their days on an orange grove in southern California, and who are now deterred by the fabulous prices asked for orange lands which are commanded by water. Of course, being an ultra tropical species, there would be the factor of cold to be reckoned with; but if budded low, the stock, the susceptible part, would practically be under ground and likely to escape serious injury.

"Of relatively new fruits, I now have the 'beriba' *Rollinia* sp., received from Mr. Fischer some five years ago, now in full flower. It probably makes a much larger tree than most of its congeners, my plant now being some twenty feet tall and with trunks six inches in diameter.

"*Canarium* sp., the 'pili' nut of commerce, I have now, at six years from the seed fruiting with a first but light crop. The Filipino has already nearly killed the demand for this most excellent dessert nut by husking it in boiling water. This method quickly kills the seed and turns the meat rancid. The average buyer of an expensive food likes to get more than a dozen good nuts in each hundred he pays for. In consequence the shipments of 100,000 bushels of two or three years ago have dwindled down to four or five thousand, and will probably drop to zero. The Filipino may be ready for self government but he has plenty to learn about making the most of his best food products."